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Cardiolipin Synthase / CRLS1 Antibody (Internal)

Goat Polyclonal Antibody
Catalog # ALS15768

Specification

Cardiolipin Synthase / CRLS1 Antibody (Internal) - Product Information

Application	**WB**
Primary Accession	Q9UJA2
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**33kDa KDa**

Cardiolipin Synthase / CRLS1 Antibody (Internal) - Additional Information

Gene ID 54675

Other Names
Cardiolipin synthase, CLS, 2.7.8.-, Protein GCD10 homolog, CRLS1, C20orf155, CLS1

Target/Specificity
Human CRLS1. This antibody is expected to recognize both reported isoforms (NP_061968.1; NP_001120930.1).

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
Cardiolipin Synthase / CRLS1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

Cardiolipin Synthase / CRLS1 Antibody (Internal) - Protein Information

Name CRLS1

Synonyms C20orf155, CLS1

Function
Catalyzes the synthesis of cardiolipin (CL) (diphosphatidylglycerol) by specifically transferring a phosphatidyl group from CDP-diacylglycerol to phosphatidylglycerol (PG). CL is a key phospholipid in mitochondrial membranes and plays important roles in maintaining the functional integrity and dynamics of mitochondria under both optimal and stress conditions.

Cellular Location
Mitochondrion inner membrane; Multi-pass membrane protein

Tissue Location
Highly expressed in tissues such as heart, skeletal muscle and liver.

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Cardiolipin Synthase / CRLS1 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Cardiolipin Synthase / CRLS1 Antibody (Internal) - Images



CRLS1 antibody (0.2 ug/ml) staining of HEK293 lysate (35 ug protein in RIPA buffer).

Cardiolipin Synthase / CRLS1 Antibody (Internal) - Background

Catalyzes the reversible phosphatidyl group transfer from one phosphatidylglycerol molecule to another to form cardiolipin (CL) (diphosphatidylglycerol) and glycerol.

Cardiolipin Synthase / CRLS1 Antibody (Internal) - References

Houtkooper R.H.,et al.FEBS Lett. 580:3059-3064(2006).
Cheng Z.,et al.Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
Deloukas P.,et al.Nature 414:865-871(2001).
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Bechtel S.,et al.BMC Genomics 8:399-399(2007).